1. git link

https://github.com/Training2017/ANG2 OCT

2. Install visual studio code

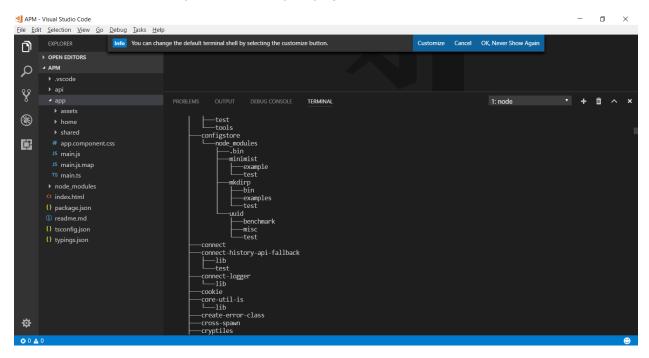
https://code.visualstudio.com/download

- 3. Install npm with nodejs. You can install node using below url:
- 4. Download angular project setup from below link www.angular.io quick start
- 5. Angular CLI

https://github.com/angular/angular-cli

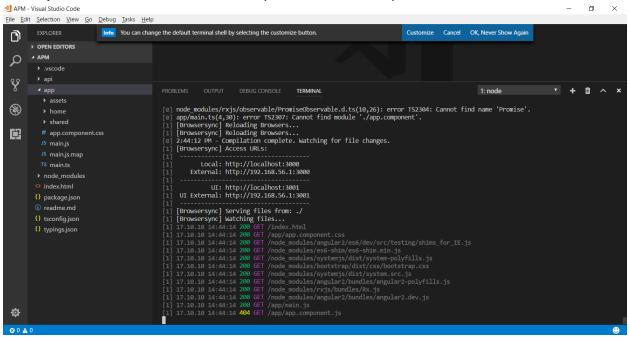
First Angular Application

- Download all files from the below forked URL https://github.com/Training2017/ANG2_OCT
- 2. Copy folder called APM-start into your working directory and rename the folder as APM
- 3. Now open visual studio code editor
- 4. Open APM folder within it
- 5. Open terminal window in the Editor by right click any file and open terminal
- 6. Locate folder called APM in your terminal and enter below command npm install
- 7. This will install all dependencies into your project

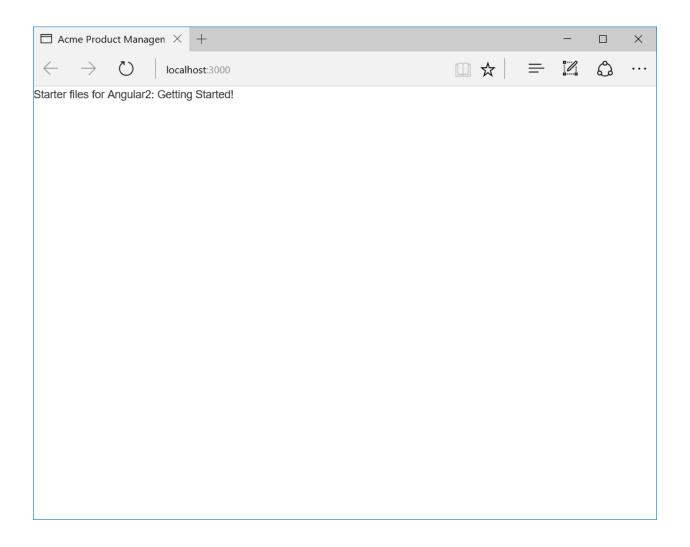


8. After npm install command you can see node_module folder in your project which has all dependencies

9. Enter **npm start** command in the terminal, you can see below in your terminal



10. The npm start command parallelly opens the browser with url "localhost:4200" with welcome message.

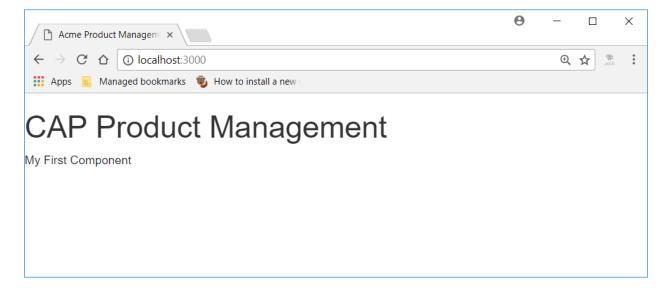


App Component

1. Create app.component.ts file with the following content:

```
export class AppComponent{
    pageTitle: string= 'CAP Product Management';
}
```

2. Now start your application with **npm start** command. You can see your application in the browser:



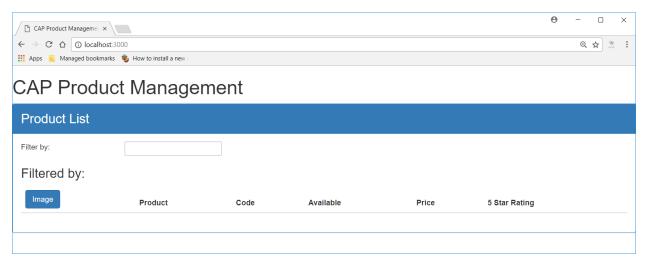
Product Component:

- 3. Add new folder called **products** under **app** directory.
- 4. Add file called **product-list.component.html** under products folder
- 5. Include below content into product-list.component.html

```
</div>
     </div>
     <div class='table-responsive'>
       <thead>
            <button class='btn btn-primary'>
                    Image
                 </button>
               Product
               Code
               Available
               Price
               5 Star Rating
            </thead>
          </div>
  </div>
</div>
```

6. Modify the app.component.ts file as mentioned below:

7. Now if you check your browser you can see the below content:



Binding with interpolation:

8. Add pageTitle in your product-list.component.ts file as mentioned below:

```
import { Component } from 'angular2/core';

@Component({
    selector: 'pm-products',
    templateUrl: 'app/products/product-list.component.html'
})
export class ProductListComponent {
    pageTitle: string = 'Product List';
}
```

9. Add the pageTitle in your product-list.component.html file as mentioned below:

```
</div>
</div>
...
```

10. Data which is represented {{ data }} in this format known as interpolation.

Adding Logic with Directives:

11. Add product details in product-list.components.ts file

```
product-list.components.ts
import { Component } from 'angular2/core';
import { ProductListComponent } from './products/product-list.component';
@Component({
    selector: 'pm-app',
    template: `
       <div>
            <h1>{{pageTitle}}</h1>
            <pm-products></pm-products>
        </div>
   directives: [ProductListComponent]
})
export class AppComponent{
    pageTitle: string= 'CAP Product Management';
   products: any[] = [
            "productId": 2,
            "productName": "Garden Cart",
            "productCode": "GDN-0023",
            "releaseDate": "March 18, 2016",
            "description": "15 gallon capacity rolling garden cart",
            "price": 32.99,
            "starRating": 4.2,
            "imageUrl": "http://openclipart.org/image/300px/svg_to_png/58471/garden_cart.png"
            "productId": 5,
            "productName": "Hammer",
            "productCode": "TBX-0048'
            "releaseDate": "May 21, 2016",
            "description": "Curved claw steel hammer",
```

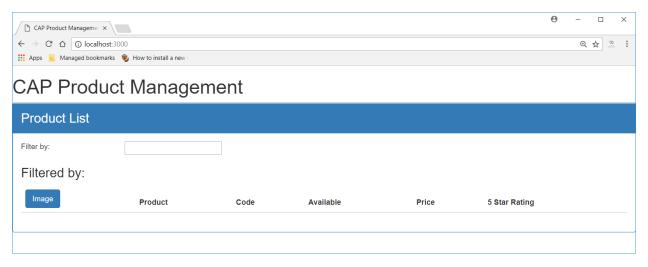
12. Add *nglf one of the built in directives in your product-list.component.html file.

product-list.component.html

```
<div class='panel panel-primary'>
   <div class='panel-heading'>
      {{pageTitle}}
   </div>
   <div class='panel-body'>
      <div class='row'>
         <div class='col-md-2'>Filter by:</div>
         <div class='col-md-4'>
            <input type='text'/>
         </div>
      </div>
      <div class='row'>
         <div class='col-md-6'>
            <h3>Filtered by: </h3>
         </div>
      </div>
      <div class='table-responsive'>
         <thead>
               >
                  <button class='btn btn-primary'>
                         Image
                     </button>
                  Product
                  Code
                  Available
                  Price
                  5 Star Rating
               </thead>
```

```
  </div>
  </div>
</div>
```

13. Now you can see the below screen in your browser:



If you remove any[] array with product details it will not show title in the above table.

*nfFor directives

14. Modify your tag as mentioned below in your product-list.component.html
 file

product-list.component.html

```
<div class='panel panel-primary'>
   <div class='panel-heading'>
        {{pageTitle}}
   </div>
   <div class='panel-body'>
        <div class='row'>
            <div class='col-md-2'>Filter by:</div>
            <div class='col-md-4'>
                <input type='text'/>
            </div>
        </div>
        <div class='row'>
            <div class='col-md-6'>
                <h3>Filtered by: </h3>
            </div>
        </div>
```

```
<div class='table-responsive'>
      <thead>
          <button class='btn btn-primary'>
                 Image
              </button>
            Product
            Code
            Available
            Price
            5 Star Rating
          </thead>
        <
            {{product.productName}}
            {{product.productCode}}
            {{product.releaseDate}}
            {{product.price}}
            {{product.starRating}}
          </div>
  </div>
</div>
```

15. Now check your browser you can see the product details as below: